

09/787397

532 Pub. No. d PCT/PTO 16 MAR 2001

## SEQUENCE LISTING

<110> Goto, Masaaki  
Tomoyasu, Akihiro  
Yamaguchi, Kyoji  
Kinosaki, Masahiko  
Nakagawa, Nobuaki

<120> PREVENTIVE AND/OR THERAPEUTIC FOR OBESITY

<130> FJIN-107

<160> 4

<170> PatentIn version 3.0

<210> 1

<211> 29

<212> DNA

<213> Synthesized DNA

<400> 1

ggggctagcc aacaacttag cggaactt

29

<210> 2

<211> 29

<212> DNA

<213> Synthesized DNA

<400> 2

cccctcgagt gtgtcaacac ccctaaaat

29

<210> 3

<211> 741

<212> DNA

<213> Human

<220>

<221> promoter

<222> (1)..(3)

<220>

<221> terminator

<222> (739)..(741)

<300>

<301> Olsen H. S. et al.

<302> Human stanniocalcin : a possible hormonal regulator of mineral metabolism.

<303> Proc. Natl. Acad. Sci. USA

<304> 93

<305> 5

<306> 1792

<307> 1996-03-05

<308> GenBank, U46768

<309> 1996-02-22

<400> 3

```
atgctccaaa actcagcagt gcttctggtg ctggtgatca gtgcttctgc aacccatgag      60
gcgagcaga atgactctgt gagccccagg aaatcccagag tggcggccca aaactcagct      120
gaagtgggtc gttgcctcaa cagtgtctta caggtcggct gcggggcttt tgcattgctg      180
gaaaactcca cctgtgacac agatgggatg tatgacatct gtaaatacctt cttgtacagc      240
gctgctaaat ttgacactca gggaaaagca ttcgtcaaag agagcttaaa atgcatcgcc      300
aacgggggtca cctccaaggt cttcctcgcc attcggaggt gctccacttt ccaaaggatg      360
attgctgagg tgcaggaaga gtgctacagc aagctgaatg tgtgcagcat cgccaagcgg      420
aacctgaag ccatcactga ggtcgtccag ctgcccaatc acttctccaa cagatactat      480
aacagacttg tccgaagcct gctggaatgt gatgaagaca cagtcagcac aatcagagac      540
agcctgatgg agaaaattgg gcctaactg gccagcctct tccacatcct gcagacagac      600
cactgtgccc aaacacaccc acgagctgac ttcaacagga gacgcaccaa tgagccgcag      660
aagctgaaag tcctcctcag gaacctccga ggtgaggagg actctccctc ccacatcaaa      720
cgcacatccc atgagagtgc a                                     741
```

<210> 4

<211> 247

<212> PRT

<213> Human

<300>

<301> Olsen H. S. et al.

<302> Human stanniocalcin : a possible hormonal regulator of mineral metabolism.

<303> Proc. Natl. Acad. Sci. USA

<304> 93

<305> 5

<306> 1792

<307> 1996-03-05

<309> \_\_\_\_-\_\_-\_\_

<400> 4

```
Met Leu Gln Asn Ser Ala Val Leu Leu Val Leu Val Ile Ser Ala Ser
1           5           10           15
```

```
Ala Thr His Glu Ala Glu Gln Asn Asp Ser Val Ser Pro Arg Lys Ser
          20           25           30
```

```
Arg Val Ala Ala Gln Asn Ser Ala Glu Val Val Arg Cys Leu Asn Ser
          35           40           45
```

Ala	Leu	Gln	Val	Gly	Cys	Gly	Ala	Phe	Ala	Cys	Leu	Glu	Asn	Ser	Thr	50	55	60	
Cys	Asp	Thr	Asp	Gly	Met	Tyr	Asp	Ile	Cys	Lys	Ser	Phe	Leu	Tyr	Ser	65	70	75	80
Ala	Ala	Lys	Phe	Asp	Thr	Gln	Gly	Lys	Ala	Phe	Val	Lys	Glu	Ser	Leu	85	90	95	
Lys	Cys	Ile	Ala	Asn	Gly	Val	Thr	Ser	Lys	Val	Phe	Leu	Ala	Ile	Arg	100	105	110	
Arg	Cys	Ser	Thr	Phe	Gln	Arg	Met	Ile	Ala	Glu	Val	Gln	Glu	Glu	Cys	115	120	125	
Tyr	Ser	Lys	Leu	Asn	Val	Cys	Ser	Ile	Ala	Lys	Arg	Asn	Pro	Glu	Ala	130	135	140	
Ile	Thr	Glu	Val	Val	Gln	Leu	Pro	Asn	His	Phe	Ser	Asn	Arg	Tyr	Tyr	145	150	155	160
Asn	Arg	Leu	Val	Arg	Ser	Leu	Leu	Glu	Cys	Asp	Glu	Asp	Thr	Val	Ser	165	170	175	
Thr	Ile	Arg	Asp	Ser	Leu	Met	Glu	Lys	Ile	Gly	Pro	Asn	Met	Ala	Ser	180	185	190	
Leu	Phe	His	Ile	Leu	Gln	Thr	Asp	His	Cys	Ala	Gln	Thr	His	Pro	Arg	195	200	205	
Ala	Asp	Phe	Asn	Arg	Arg	Arg	Thr	Asn	Glu	Pro	Gln	Lys	Leu	Lys	Val	210	215	220	
Leu	Leu	Arg	Asn	Leu	Arg	Gly	Glu	Glu	Asp	Ser	Pro	Ser	His	Ile	Lys	225	230	235	240
Arg	Thr	Ser	His	Glu	Ser	Ala										245			